

Naval Postgraduate School (NPS)

(Admissions)

1. The Operations Research (OR) program is offered by the Operations Research Department. The following is the list of admission policies for students entering the OR program:

- a. Candidates must have a bachelor's degree from an accredited United States institution or proof of equivalent training at an institution outside the United States.
- b. Candidates must have a C+ or better grade-point average in upper-division work (junior-senior level) and in graduate work already completed.
- c. Graduate Examination (GRE) scores are not required.
- d. Candidates should have adequate subject preparation for the Operations Research program.

2. Deadlines. There are no specific application deadlines. Refresher courses begin during the summer term.

3. Points of Contact.

Director of Admissions LTC Charles Shaw

Code 0145 Army Representative

Naval Postgraduate School (Code OR Sh)

Monterey, CA 93943 Naval Postgraduate School

Phone: (408)646-2636 Monterey, CA 93943

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(Master's Program)

1. FA49 offers will complete the degree requirements for a Master's of Science Degree in the Operations Research Department. The Master of Science in Operations

Research (MSOR) degree will be awarded. An officer must complete 98 credit hours of course work and a thesis.

2. NPS is on a quarter systems (three months). The time to complete the master's program, including two summer sessions, is seven quarters. (24 months).

3. Prerequisites.

a. Students must have completed undergraduate course work in calculus with a C+ or higher average.

Additionally, undergraduate work in probability and statistics, linear algebra and computer programming is desirable.

b. Students lacking quantitative prerequisites will be accepted under the following circumstances:

(1) Undergraduate records indicating they are exceptional students.

(2) Graduate Record Examination (GRE) scores indicating the possibility of success.

(3) Correspondence or extension courses in quantitative subjects.

(4) Outstanding motivation for the program.

4. Master's Program.

a. Core Requirements. The core program for Army students is a structured series of 23 courses as shown below:

OA-2200 Computational Methods in OR I MA-1118

Multivariate Calculus

MA-3042 Linear Algebra OA-Probability

OA-3200 Computational Methods in OR II AS-3610
 Microeconomics in OR
 MA-3110 Topics in Intermediate Analysis OA-3102
 Probability and Statistics
 OA-3201 Linear Programming OA-3401 Human
 Performance
 Measurements
 OA-3301 Stochastic Models I OA-3103 Statistics
 OA-4202 Network Flows and Graphs OA-3602 Search
 Theory and Detection
 OA-3302 Simulation OA-3104 Data Analysis
 OA-4201 Nonlinear Programming OA-4655 Air-Land-
 Sea Analysis
 OA-4654 Air-Land Models OA-4604 Wargaming
 Analysis
 OA-4301 Stochastic Models II OA-4602 Joint Campaign
 Analysis
 OA-4603 Test and Evaluation (Non-parametric)
 *During the second half of the 5th quarter students attend
 a Experience Tour (six week tour at the students selected
 site to do research for a thesis).
 b. Electives. Electives are approved by the Advisor,
 Academic Associate and Curricular officer.
 c. Minor. None required.
 d. Thesis. A thesis is required. Officers will enroll in OA-
 0810 (Thesis Research) in each of the sixth and seventh
 quarters.